Yuanyuan (Lilian) Sun

⌂ Chicago, IL, USA   ☎ 312 825 9892   ✉ lilian.swen@outlook.com   in LinkedIn   ⊙ GitHub   📄 Portfolio

Summary--

Highly motivated grad student in computer science & award-winning backend software developer with 5+ years of experience. Extensive background in full software development lifecycle including design, coding, testing, debugging, maintenance. Exceptional problem solver with an aptitude for troubleshooting. Proficiency in OOP, Data Preparation & Processing, Data Storage & Management. Fast-learning ability. Good at Time & Task Management & Communication.

Education--

Illinois Institute of Technology, Chicago, IL, USA   M.S. in Computer Science (GPA 3.67/4.0)   Dec. 2023
Suzhou University of Science and Technology, Suzhou, China   B.S. in Computer Science and Technology   Jun. 2016

Tech Skills--

Java, Spring Framework, Spring Boot, Apache Maven, Mybatis, Apache JMeter, Jenkins, Junit, TestNG | **Python, Flask** | SQL, NoSQL | **JavaScript**, **HTML, CSS, React** | **AWS Cloud Services**, Docker Containers, Kubernetes, **Linux, Git, SVN, CI/CD** | Tomcat/Weblogic Server | **Agile Software Development Methodologies** (e.g. scrum) | **R**

Experience--

Senior Software Engineer   Mar. 2019 - Dec. 2021   Shanghai Highly Electric Co., Ltd   Shanghai, China
➢ Provided estimates for web app development & test. Selected libraries and open-source technologies for project integration. Oversaw full lifecycle of software development with on-time delivery while staying 5% under budget.
➢ Designed scalable service architecture. Re-architected old and complex applications by applying a unifying framework. Improved operational efficiency, reliability, adaptability. Decreased user complaints by 65% and reduced the cost of operation & maintenance by 15% from 2020 to 2021.
➢ Developed reusable, scalable APIs. Supported building & deployment of new products and features & tests. Implemented and executed Stress Testing on high-concurrency interfaces.
➢ Mentored junior developers & summer interns.

Junior Software Engineer   Mar. 2017 - Mar. 2019   Shanghai Mathartsys Co., Ltd   Shanghai, China
➢ Analyzed user requirements, designed functional and flexible web services by UML, collaborated with BA, QA to create detailed design documentation, unit test plans, well-documented code.
➢ Created RESTful APIs that served data to the JavaScript front-end based on J2EE, Spring Framework, Spring Boot. Researched and evaluated methods & techniques to resolve problems, reduced friction in development lifecycle.
➢ Managed & maintained 11 enterprise web applications, patched & improved features. Embraced automation, streamlined the build and deployment process. Documented and presented reports to leadership twice a month.
➢ Revamped web applications, improved security applications, minimized hacker attacks from 33.3% to 3.2%.
➢ Fixed bugs and streamlined documented procedures to increase DevOps efficiency by 20% from 2018 to 2019.

Android System Dev Intern   Feb. 2016 – Jun. 2016   Pactera Technology International Ltd.   Shanghai, China
Burned the Android OS source code in devices, developed and improved features on the native applications via SDK. Cooperated with QA team to improve user interfaces. Top 10% intern on bug fix release in the Android framework R&D team.

Major Projects--

⚙ Work Projects   🎓 Academic Projects   📄 Personal Projects